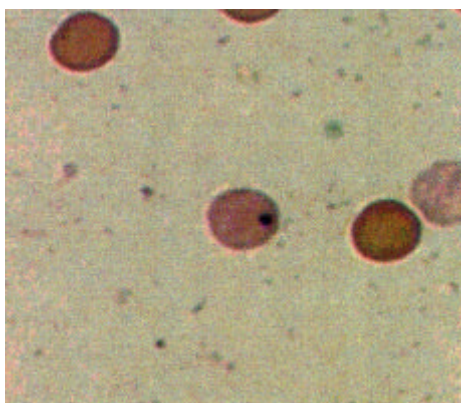


Novel Monoclonal Antibody Development

The production of monoclonal antibodies is a multi-billion dollar industry worldwide. Monoclonal antibodies are used in a number of applications ranging from molecular biology techniques and protein purification to chemical or biological identification.

Researchers at the Naval Research Laboratory have developed a monoclonal development process that eliminates the need for animal immunization. This process obviates the need for long-term animal husbandry and animal care facilities, which may not be available or too expensive to maintain. The method is efficient and results in monoclonal antibodies with high specificity



It is antibody specificity that makes monoclonal antibody technology so valuable. Not only can antibodies be used therapeutically, to protect against disease; they can also help to diagnose a wide variety of illnesses, and can detect

the presence of drugs, viral and bacterial products, and other unusual or abnormal substances in a sample.



Given such a diversity of uses for antibodies, their production in pure quantities has long been the focus of scientific investigation. The NRL process promises an alternative to conventional methods and results in stable monoclonal population in a matter of weeks rather than months.

For more information contact:
Dr. Christopher J. Kolanko, LT, USN, MSC
202-767-1700, kolanko@ccf.nrl.navy.mil
Dr. Barry J. Spargo
202-404-6392, bspargo@ccf.nrl.navy.mil